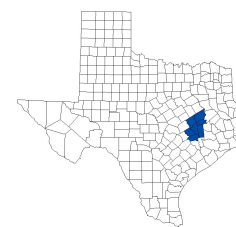


# Texas Cardiovascular Health & Wellness Program

## Texas Department of State Health Services



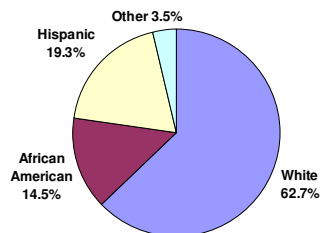
### ST Elevation Myocardial Infarction (STEMI) Facts

#### Texas Trauma Service Area (TSA) N

Updated March 2010

<http://www.dshs.state.tx.us/wellness/data.shtm>

#### Demography of TSA N in 2008 (Estimated Texas Population)



Age	Total	Male	Female	Percent
0-17	65,435	33,486	31,949	22.1
18-29	84,942	45,769	39,173	28.8
30-34	51,915	27,431	24,484	17.6
35-64	61,111	30,283	30,828	20.7
65+	32,039	14,321	17,718	10.8
<b>Total</b>	<b>295,442</b>	<b>151,290</b>	<b>144,152</b>	<b>100.0</b>

#### Prevalence<sup>1</sup> (%) of Heart Attack, Adults (18+ years), 2005 - 2008

#### Heart Attack Age-Adjusted Mortality Rates<sup>2</sup> (per 100,000) 2001- 2006

	TSA N	Texas	TSA N	Texas	TSA N Ages <65	TSA N Ages 65+
<b>Total</b>	3.5	4.5	84.6	69.9	15.5	538.3
<b>Male</b>	3.7	3.6	104.5	86.2	21.7	601.8
<b>Female</b>	3.2	5.0	67.9	56.8	8.9	489.4
<b>White</b>	4.7	3.8	82.7	69.2	16.9	528.7
<b>African American</b>	*	2.4	114.1	87.0	24	699.7
<b>Hispanic</b>	0.6	3.9	53.6	64.9	4	314.5

#### Hospital Discharge Data<sup>3</sup> for STEMI, Texas, 2008

	Total		Age <65		Age 65+	
	TSA N	Texas	TSA N	Texas	TSA N	Texas
<b>Number of Discharges</b>	129	11,630	72	6,932	57	4,707
<b>Total Charges</b>	\$13,290,089	\$926,981,129	\$7,062,219	\$544,602,262	\$6,227,869	\$382,378,867

#### Texas EMS/Trauma Registry Data<sup>4</sup> for TSA N by Time (Min), 2007

	TSA N	Texas
<b>Response Time = (Time Call Received - Time EMS Arrived on Scene)</b>	9.8	8.3
<b>Scene Time = (Time EMS Arrived on Scene – Time EMS Departed Scene)</b>	16.3	18.5
<b>Transport Time = (Time EMS Departed Scene – Time EMS Arrived at Destination)</b>	15.2	14.5
<b>Delivery Time = (Time Call Received – Time EMS Arrived at Destination)</b>	41.5	39.7

<sup>1</sup> 2005, 2006, 2007, and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed as having had a Heart Attack, Myocardial Infarction.

<sup>2</sup> 2001-2006 Texas Department of State Health Services Vital Statistics. Mortality due to Heart Attack (ICD-10 Code I21-I22); Age adjusted to the US 2000 census population

<sup>3</sup> 2008 Texas Health Care Information Council, Inpatient Hospital Discharge Public Use File, for persons all ages. STEMI (ICD-9 Code; 410.0 through 410.6 and 410.8.);

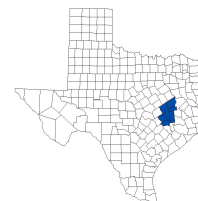
<sup>4</sup> Texas EMS/Trauma Registry Data Selected in 2007. The selection criteria are:

- Calls received during 2007
- Suspected Illness types defined as cardiac arrest, cardiac rhythm disturbance, and chest pain/discomfort
- Medical-related calls only (i.e. calls exclusively related to trauma were excluded)
- 911 calls only (no inter-facility transfers)
- Texas residents only

\* Unable to calculate due to small sample size (< 50 respondents).

# Texas Cardiovascular Health & Wellness Program

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### Heart Attack Facts

#### Texas Trauma Service Area (TSA) N

#### Heart Attack Risk Factors<sup>1</sup>, Texas, 2005, 2006, 2007, 2008

Diabetes	TSA N	Texas	High Blood Cholesterol (2005 & 2007)	TSA N	Texas
Total	8.4	9.0	Total	34.7	36.4
Male	7.6	8.8	Male	38.6	37.0
Female	9.3	9.2	Female	31.7	35.8
White	5.7	8.0	White	34.9	38.2
African American	*	12.4	African American	*	32.1
Hispanic	20.5	10.0	Hispanic	*	33.4
Current Smoker	TSA N	Texas	High Blood Pressure (2005 & 2007)	TSA N	Texas
Total	16.6	18.9	Total	27.3	26.1
Male	13.9	22.0	Male	30.6	25.9
Female	19.5	16.0	Female	24.4	26.3
White	15.5	19.7	White	27.2	28.5
African American	*	22.6	African American	*	38.5
Hispanic	14.2	16.7	Hispanic	*	19.2
Obesity <sup>2</sup> (BMI≥30)	TSA N	Texas	No Leisure Time Physical Activity <sup>3</sup>	TSA N	Texas
Total	34.7	27.7	Total	25.3	28.2
Male	30.9	28.1	Male	22.5	25.4
Female	39.2	27.3	Female	28.3	30.8
White	31.1	24.7	White	19.5	23.6
African American	*	38.1	African American	*	32.8
Hispanic	44.5	31.8	Hispanic	38.5	35.5

#### Recognition of Heart Attack Symptoms<sup>1</sup> (2005)

Heart Attack Symptoms	% Of Respondents Recognizing Symptoms	
	TSA N	Texas
Pain or discomfort in jaw, neck or back	37.8	39.3
Feeling weak, lightheaded, or faint	70.6	54.1
Chest pain or discomfort	95.9	86.5
Pain or discomfort in the arms or shoulders	91.6	78.4
Shortness of breath	89.2	79.0
<i>Recognizes all heart attack symptoms</i>	15.5	8.9
Would call 911 as a first response if <b>Heart Attack OR Stroke</b> is suspected	85.5	85.1

<sup>1</sup> 2005, 2006, 2007 and 2008 Texas Behavioral Risk Factor Surveillance System, Statewide BRFSS Survey, for Respondents 18 years and older who report that they have been diagnosed with high Blood Pressure, but not during pregnancy; Respondents 18 years and older who report that they have been diagnosed with high Blood Cholesterol; Respondents 18 years and older who report that they have been diagnosed with Diabetes. Does not include gestational diabetes

<sup>2</sup> Obese > 95th Percentile for BMI by Age/Sex <http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

<sup>3</sup> Recommendation: Physical Activity -Percentage of students who were physically active doing any kind of physical activity that increased their heart rate and made them breathe hard some of the time for a total of at least 60 minutes per day on five or more of the 7 days before the survey

<http://apps.nccd.cdc.gov/yrbss/QuestYearTable.asp?ByVar=CI&cat=6&quest=Q80&loc=XX&year=2007>

The "\*" indicates that the sample size was not a statistically valid sample size (< 50 respondents).